

Coast Guard, DHS

§ 160.151-5

statements as noted on the approval certificate:

(1) ADULT—For persons weighing more than 40 kg (90 lb).

(2) YOUTH—For persons weighing 23–40 kg (50–90 lb).

(3) CHILD SMALL—For persons weighing 14–23 kg (30–50 lb).

(4) “[*Other text noted on approval certificate*].”

[CGD 78-174, 50 FR 33928, Aug. 22, 1985, as amended by CGD 78-174A, 51 FR 4351, Feb. 4, 1986; CGD 78-174, 60 FR 2491, Jan. 9, 1995; 60 FR 7131, Feb. 7, 1995]

Subpart 160.151—Inflatable Liferrafts (SOLAS)

SOURCE: CGD 85-205, 62 FR 25547, May 9, 1997, unless otherwise noted.

§ 160.151-1 Scope.

This subpart prescribes standards, tests, and procedures for approval by the Coast Guard of SOLAS A and SOLAS B inflatable liferafts, and for their periodic inspection and repair at approved facilities (“servicing”). Certain provisions of this subpart also apply to inflatable buoyant apparatus as specified in § 160.010-3 and to inflatable liferafts for domestic service as specified in subpart 160.051.

§ 160.151-3 Definitions.

In this subpart, the term:

Commandant means the Commandant (G-MSE), United States Coast Guard, 2100 Second Street, SW., Washington, DC 20593-0001.

Servicing means periodic inspection, necessary repair, and repacking by a servicing facility approved by the Coast Guard. Requirements for periodic inspection and repair of inflatable liferafts approved by the Coast Guard are described in §§ 160.151-35 through 160.151-57.

SOLAS means the International Convention for the Safety of Life at Sea, 1974, as amended by the International Maritime Organization through the 1988 (GMDSS) amendments, dated 9 November 1988.

SOLAS A Liferaft means a liferaft that meets the requirements of this subpart for an inflatable liferaft com-

plying with SOLAS and equipped with a SOLAS A equipment pack.

SOLAS B Liferaft means a liferaft that meets the requirements of this subpart for an inflatable liferaft complying with SOLAS and equipped with a SOLAS B equipment pack.

§ 160.151-5 Incorporation by reference.

(a) Certain material is incorporated by reference into this subpart with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the National Archives and Records Administration (NARA), and at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001, and is available from the sources indicated in paragraph (b) of this section. For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The material approved for incorporation by reference in this subpart and the sections affected are as follows:

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM F 1014-92, Standard Specification for Flashlights on Vessels—160.151-21

INTERNATIONAL MARITIME ORGANIZATION (IMO)

Publications Section, 4 Albert Embankment, London SE1 7SR, England

Resolution A.689(17)—Recommendation on Testing of Life-saving Appliances, 27 November 1991, including amendments through Resolution MSC.54(66), adopted 30 May 1996—160.151-21; 160.151-27; 160.151-31; 160.151-57

Resolution A.657(16)—Instructions for Action in Survival Craft, 19 November 1989—160.151-21

Resolution A.658(16)—Use and Fitting of Retro-reflective Materials on Life-saving Appliances, 20 November 1989—160.151-15; 160.151-57.

NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY (FORMERLY NATIONAL BUREAU OF STANDARDS)

§ 160.151-7

*c/o National Technical Information Service,
Springfield, VA 22161*

NBS Special Publication 440 (Order No.
PB265225) Color: Universal Language and
Dictionary of Names, 1976—160.151-15

NAVAL FORMS AND PUBLICATIONS CENTER
*Customer Service, Code 1052, 5801 Tabor Ave.,
Philadelphia, PA 19120*

MIL-C-17415E—(Ships)—Cloth, Coated, and
Webbing, Inflatable Boat and Miscella-
neous Use—160.151-15

[CGD 85-205, 62 FR 25547, May 9, 1997, as
amended at USCG-1999-5151, 64 FR 67184, Dec.
1, 1999; 69 FR 18803, Apr. 9, 2004]

§ 160.151-7 Construction of inflatable liferafts.

Except as specified in this subpart,
each SOLAS A and SOLAS B inflatable
liferaft must meet the requirements of
Chapter III of SOLAS. To be approved
under this subpart, inflatable liferafts
must be constructed in accordance
with the following provisions of
SOLAS:

(a) Chapter III, Regulation 30, para-
graph 2 (III/30.2), General requirements
for life-saving appliances.

(b) Chapter III, Regulation 38 (III/38)
General requirements for liferafts.

(c) Chapter III, Regulation 39 (III/39)
Inflatable liferafts.

(d) Chapter III, Regulation 51 (III/51)
Training manual.

(e) Chapter III, Regulation 52 (III/52)
Instructions for on-board maintenance.

§ 160.151-9 Independent laboratory.

Tests and inspections that this sub-
part requires to be conducted by an
independent laboratory must be con-
ducted by an independent laboratory
accepted by the Coast Guard under sub-
part 159.010 of part 159 of this chapter
to perform such tests and inspections.
A list of accepted laboratories is avail-
able from the Commandant.

§ 160.151-11 Approval procedure.

(a) A manufacturer seeking approval
of an inflatable liferaft must comply
with the procedures in part 159, subpart
159.005, of this chapter and in this sec-
tion.

(b) A manufacturer seeking approval
of an inflatable liferaft must submit an
application meeting the requirements
of § 159.005-5 of this chapter for
preapproval review. To meet the re-
quirements of § 159.005-5(a)(2) of this

46 CFR Ch. I (10-1-07 Edition)

chapter, the manufacturer shall sub-
mit—

(1) General-arrangement drawing in-
cluding principal dimensions;

(2) Seating-arrangement plan;

(3) Plans for subassemblies;

(4) Plans for carriage and, in detail,
stowage of equipment;

(5) Plans for the inflation system;

(6) Plans for the outer container;

(7) Plans for any lifting shackle or
ring, including diameter in cross-sec-
tion, used for connecting the suspen-
sion tackle of a davit-launched inflat-
able liferaft to the automatic dis-
engaging device used for its hoisting
and lowering;

(8) Other drawing(s) necessary to
show that the inflatable liferaft com-
plies with the requirements of this sub-
part;

(9) Description of methods of seam
and joint construction;

(10) Samples and identification of
each material used in the buoyancy
chambers, floor, and canopy, including
the identity of their manufacturers,
and segments of each type of seam
made from such materials; and

(11) Complete data pertinent to the
installation and use of the proposed in-
flatable liferaft, including the max-
imum proposed height of its installa-
tion above the water, and the max-
imum length of the sea painter in-
stalled in the inflatable liferaft.

§ 160.151-13 Fabrication of prototype inflatable liferafts for approval.

If the manufacturer is notified that
the information submitted in accord-
ance with § 160.151-11 is satisfactory to
the Commandant, fabrication of a pro-
totype inflatable liferaft must proceed
in the following sequence:

(a) The manufacturer shall arrange
for an independent laboratory to in-
spect the liferaft during its fabrication
and prepare an inspection report meet-
ing the requirements of § 159.005-11 of
this chapter. The independent labora-
tory shall conduct at least one inspec-
tion during layup of the buoyancy
tubes of the liferaft, at least one in-
spection of the finished liferaft when
fully inflated, and as many other in-
spections as are necessary to determine
that the liferaft—